

Laser Blade L

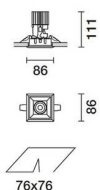
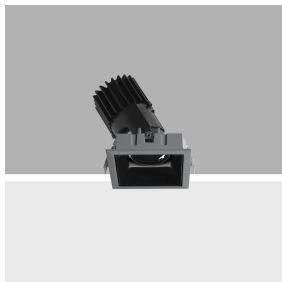
Design iGuzzini

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Last information update: April 2025

Product configuration: P738.74

P738.74: Frame Adjustable Recessed Luminaire - Warm White LED - Flood beam - DALI - Grey/Black



Product code

P738.74: Frame Adjustable Recessed Luminaire - Warm White LED - Flood beam - DALI - Grey/Black

Technical description

Recessed luminaire with adjustable optic for warm white LED 2700K with high colour rendering index. Passive cooling system. Adjustable body can be rotated within the recess to ensure precise but comfortable lighting and considerably reduced direct glare. 355° internal rotation and max 30° oscillation with continuous friction. Fixed recess structure in die-cast aluminium with perimeter stop frame. The recessed luminaire includes a radiant aluminium element, a steel junction for the optical assembly and a thermoplastic rotation ring. Metallised thermoplastic material reflector with high definition optic - flood beam opening. External thermoplastic anti-glare screen. Transparent protection glass for LED light source. Supplied with DALI dimmable power supply unit connected to the luminaire.

Installation

Recessed with torsional steel springs - 1 mm minimum thickness of false ceiling - recess opening 76 x 76 mm.

Weight (Kg)

0.53

Mounting

wall recessed|ceiling recessed

Wiring

Quick-fit power supply connection to terminal block - Digital electronic wiring enables dimming with DALI or TOUCH DIM systems.

Notes

Vast range of technical and decorative accessories available; option to install 2 accessories at the same time.

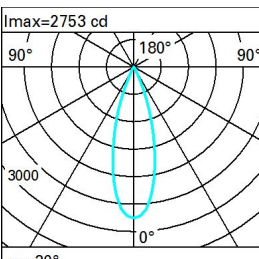
Complies with EN60598-1 and pertinent regulations



Technical data

| | | | |
|--|------|---------------------------------------|---------------------------------|
| Im system: | 769 | Colour temperature [K]: | 2700 |
| W system: | 11.3 | MacAdam Step: | 2 |
| Im source: | 1150 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| W source: | 8.9 | Voltage [Vin]: | 230 |
| Luminous efficiency (Im/W, real value): | 68 | Lamp code: | LED |
| Im in emergency mode: | - | Number of lamps for optical assembly: | 1 |
| Total light flux at or above an angle of 90° [Lm]: | 0 | ZVEI Code: | LED |
| Light Output Ratio (L.O.R.) [%]: | 67 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 30° | Control: | DALI |
| CRI (minimum): | 90 | | |

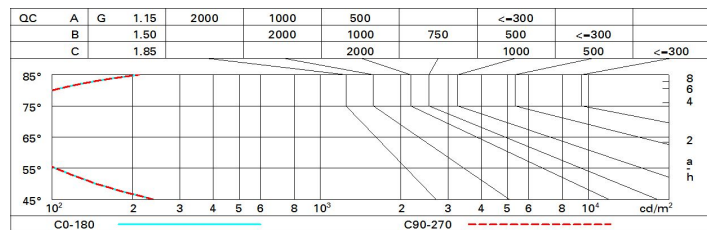
Polar

| | | | | | | | | |
|--|--|--|--|--|------------|-----|-----|------|
|  <p>$I_{max}=2753\text{ cd}$</p> <p>$\alpha=30^\circ$</p> | CIE nL 0.67 100-100-100-100-67 UGR <10-10 | | | | Lux | | | |
| | DIN A.61 UTE 0.67A+0.00T F*1=999 F*1+F*2=1000 F*1+F*2+F*3=1000 | | | | h | d | Em | Emax |
| | CIBSE LG3 L<1500 cd/m ² at 65° UGR<10 L<1500 cd/mq @65° | | | | 2 | 1.1 | 546 | 688 |
| | | | | | 4 | 2.1 | 136 | 172 |
| | | | | | 6 | 3.2 | 61 | 76 |
| | | | | | 8 | 4.3 | 34 | 43 |

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 60 | 57 | 55 | 53 | 57 | 55 | 54 | 52 | 78 |
| 1.0 | 63 | 60 | 58 | 57 | 60 | 58 | 58 | 55 | 83 |
| 1.5 | 66 | 64 | 62 | 61 | 63 | 62 | 61 | 59 | 89 |
| 2.0 | 68 | 67 | 65 | 64 | 66 | 65 | 64 | 62 | 93 |
| 2.5 | 69 | 68 | 67 | 67 | 67 | 66 | 66 | 64 | 96 |
| 3.0 | 70 | 69 | 69 | 68 | 68 | 68 | 67 | 65 | 98 |
| 4.0 | 71 | 70 | 70 | 70 | 69 | 69 | 68 | 66 | 99 |
| 5.0 | 71 | 71 | 71 | 71 | 70 | 70 | 69 | 67 | 100 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 1150 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Riflect.: ceil/cav walls work pl. Room dim x y | | viewed crosswise | | | | | viewed endwise | | | | |
| | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 |
| | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 |
| | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| | | | | | | | | | | | |
| 2H | 2H | -1.0 | -0.5 | -0.7 | -0.3 | -0.0 | -1.0 | -0.5 | -0.7 | -0.3 | -0.0 |
| | 3H | -1.1 | -0.7 | -0.8 | -0.4 | -0.1 | -1.1 | -0.7 | -0.8 | -0.4 | -0.1 |
| | 4H | -1.2 | -0.8 | -0.9 | -0.5 | -0.2 | -1.2 | -0.8 | -0.9 | -0.5 | -0.2 |
| | 6H | -1.2 | -0.8 | -0.9 | -0.5 | -0.2 | -1.3 | -0.9 | -0.9 | -0.6 | -0.2 |
| | 8H | -1.3 | -0.9 | -0.9 | -0.6 | -0.2 | -1.3 | -0.9 | -0.9 | -0.6 | -0.3 |
| | 12H | -1.3 | -0.9 | -0.9 | -0.6 | -0.2 | -1.3 | -1.0 | -1.0 | -0.6 | -0.3 |
| | | | | | | | | | | | |
| 4H | 2H | -1.2 | -0.8 | -0.9 | -0.5 | -0.2 | -1.2 | -0.8 | -0.9 | -0.5 | -0.2 |
| | 3H | -1.3 | -1.0 | -1.0 | -0.6 | -0.3 | -1.3 | -1.0 | -0.9 | -0.6 | -0.3 |
| | 4H | -1.4 | -1.1 | -1.0 | -0.7 | -0.3 | -1.4 | -1.1 | -1.0 | -0.7 | -0.3 |
| | 6H | -1.5 | -1.2 | -1.0 | -0.8 | -0.4 | -1.5 | -1.2 | -1.1 | -0.8 | -0.4 |
| | 8H | -1.5 | -1.2 | -1.1 | -0.8 | -0.4 | -1.5 | -1.3 | -1.1 | -0.9 | -0.4 |
| | 12H | -1.5 | -1.3 | -1.0 | -0.8 | -0.4 | -1.6 | -1.3 | -1.1 | -0.9 | -0.5 |
| | | | | | | | | | | | |
| 8H | 4H | -1.5 | -1.3 | -1.1 | -0.9 | -0.4 | -1.5 | -1.2 | -1.1 | -0.8 | -0.4 |
| | 6H | -1.6 | -1.4 | -1.1 | -0.9 | -0.5 | -1.6 | -1.3 | -1.1 | -0.9 | -0.4 |
| | 8H | -1.6 | -1.4 | -1.1 | -1.0 | -0.5 | -1.6 | -1.4 | -1.1 | -1.0 | -0.5 |
| | 12H | -1.6 | -1.4 | -1.1 | -0.9 | -0.4 | -1.6 | -1.5 | -1.1 | -1.0 | -0.5 |
| | | | | | | | | | | | |
| 12H | 4H | -1.6 | -1.3 | -1.1 | -0.9 | -0.5 | -1.5 | -1.3 | -1.0 | -0.8 | -0.4 |
| | 6H | -1.6 | -1.4 | -1.1 | -1.0 | -0.5 | -1.6 | -1.4 | -1.1 | -0.9 | -0.4 |
| | 8H | -1.6 | -1.5 | -1.1 | -1.0 | -0.5 | -1.6 | -1.4 | -1.1 | -0.9 | -0.4 |
| | | | | | | | | | | | |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 6.4 / -9.0 | | | | | 6.4 / -9.0 | | | | |
| | 1.5H | 9.2 / -9.3 | | | | | 9.2 / -9.3 | | | | |
| | 2.0H | 11.2 / -9.5 | | | | | 11.2 / -9.5 | | | | |